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(FILE 'HOME' ENTERED AT 11:23:59 ON 25 NOV 2002)

FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH' ENTERED AT 11:24:12 ON 25 NOV 2002

L1 9325 S TETANUS(3A)TOXIN OR TTC OT TETANUS(W)TOXIN(6A)C(W)FRAGMENT  
L2 188 S TETANUS(3A)TOXIN(6A)(C OR B)(W)FRAGMENT  
L3 119 S L2 AND (PROTEIN OR POLYPEPTIDE)  
L4 61 DUP REM L3 (58 DUPLICATES REMOVED)

=> d au ti so 30-61 l4

L4 ANSWER 30 OF 61 CAPLUS COPYRIGHT 2002 ACS  
IN Brown, Robert H.; Fishman, Paul S.; Francis, Jonathan W.; Hosler, Betsy A.  
TI Superoxide dismutase/tetanus toxin fragment C hybrid **protein**  
SO U.S., 23 pp.  
CODEN: USXXAM

L4 ANSWER 31 OF 61 MEDLINE DUPLICATE 14  
AU Saikh K U; Sesno J; Brandler P; Ulrich R G  
TI Are DNA-based vaccines useful for protection against secreted bacterial  
toxins? Tetanus toxin test case.  
SO VACCINE, (1998 May-Jun) 16 (9-10) 1029-38.  
Journal code: 8406899. ISSN: 0264-410X.

L4 ANSWER 32 OF 61 MEDLINE DUPLICATE 15  
AU Shapiro R E; Specht C D; Collins B E; Woods A S; Cotter R J; Schnaar R L  
TI Identification of a ganglioside recognition domain of tetanus toxin using  
a novel ganglioside photoaffinity ligand.  
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1997 Nov 28) 272 (48) 30380-6.  
Journal code: 2985121R. ISSN: 0021-9258.

L4 ANSWER 33 OF 61 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 16  
AU Coen, Laurent; Osta, Rosario; Maury, Martine; Brulet, Philippe  
TI Construction of hybrid **proteins** that migrate retrogradely and  
transynaptically into the central nervous system  
SO Proceedings of the National Academy of Sciences of the United States of  
America (1997), 94(17), 9400-9405  
CODEN: PNASA6; ISSN: 0027-8424

L4 ANSWER 34 OF 61 CAPLUS COPYRIGHT 2002 ACS  
AU Figueiredo, Dayse M.; Hallewell, Robert A.; Chen, Li Li; Fairweather, Neil  
F.; Dougan, Gordon; Savitt, Joseph M.; Parks, Deborah A.; Fishman, Paul S.  
TI Delivery of recombinant tetanus-superoxide dismutase **proteins** to  
central nervous system neurons by retrograde axonal transport  
SO Experimental Neurology (1997), 145(2, Pt. 1), 546-554  
CODEN: EXNEAC; ISSN: 0014-4886

L4 ANSWER 35 OF 61 CAPLUS COPYRIGHT 2002 ACS  
AU Chen, I.; Fontana, M. R.; Finn, T. M.; Yanqing, L.; Rappuoli, R.; Pizza,  
M.  
TI A live-attenuated strain of Vibrio cholerae as carrier for homologous and  
heterologous antigens  
SO Zentralblatt fuer Bakteriologie, Supplement (1997), 29(Bacterial Protein  
Toxins), 463-465  
CODEN: ZBASE2; ISSN: 0941-018X

L4 ANSWER 36 OF 61 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 17  
AU Porter, Donna C.; Wang, Jun; Moldoveanu, Zina; McPherson, Sylvia; Morrow,  
Casey D.  
TI Immunization of mice with poliovirus replicons expressing the C-fragment  
of tetanus toxin protects against lethal challenge with tetanus toxin

SO Vaccine (1997), 15(3), 257-264  
CODEN: VACCDE; ISSN: 0264-410X

L4 ANSWER 37 OF 61 CAPLUS COPYRIGHT 2002 ACS  
IN Katz, Robert; Tomoaia-Cotisel, Maria  
TI Site-specific biomolecular complexes for drug delivery to brain  
SO PCT Int. Appl., 62 pp.  
CODEN: PIXXD2

L4 ANSWER 38 OF 61 MEDLINE DUPLICATE 18  
AU Chabalgoity J A; Khan C M; Nash A A; Hormaeche C E  
TI A Salmonella typhimurium htrA live vaccine expressing multiple copies of a peptide comprising amino acids 8-23 of herpes simplex virus glycoprotein D as a genetic fusion to tetanus toxin fragment C protects mice from herpes simplex virus infection.  
SO MOLECULAR MICROBIOLOGY, (1996 Feb) 19 (4) 791-801.  
Journal code: 8712028. ISSN: 0950-382X.

L4 ANSWER 39 OF 61 CAPLUS COPYRIGHT 2002 ACS  
AU Norton, Pamela M.; Brown, Henry W. G.; Wells, Jeremy M.; Macpherson, Angela M.; Wilson, Peter W.; Le Page, Richard W. F.  
TI Factors affecting the immunogenicity of tetanus toxin fragment C expressed in Lactococcus lactis  
SO FEMS Immunology and Medical Microbiology (1996), 14(2-3), 167-177  
CODEN: FIMIEV; ISSN: 0928-8244

L4 ANSWER 40 OF 61 CAPLUS COPYRIGHT 2002 ACS  
AU Francis, Jonathan William  
TI Expression of a recombinant copper/zinc superoxide dismutase (sod-1): **tetanus toxin c-fragment** hybrid **protein** in Escherichia coli for the targeted delivery of enzyme to neurons  
SO (1995) 182 pp. Avail.: Univ. Microfilms Int., Order No. DA9526598  
From: Diss. Abstr. Int., B 1995, 56(4), 1860

L4 ANSWER 41 OF 61 CAPLUS COPYRIGHT 2002 ACS  
IN Khan, Mohammed Anjam; Chatfield, Steven Neville; Li, Jingli  
TI Use of the promoter of the heat-shock gene htrA for expression of antigen genes in vaccine strains of bacteria  
SO PCT Int. Appl., 54 pp.  
CODEN: PIXXD2

L4 ANSWER 42 OF 61 CAPLUS COPYRIGHT 2002 ACS  
IN Roberts, Mark  
TI Vaccine compositions containing mutant pertussis toxin  
SO PCT Int. Appl., 44 pp.  
CODEN: PIXXD2

L4 ANSWER 43 OF 61 CAPLUS COPYRIGHT 2002 ACS  
IN Khan, Mohammed Anjam; Hormaeche, Carlos Estenio; Chatfield, Steven Neville; Dougan, Gordon  
TI Vectors encoding **tetanus toxin C fragment** fusion **proteins** and vaccines containing the fusion **proteins** or attenuated bacteria producing the fusion **proteins**  
SO PCT Int. Appl., 44 pp.  
CODEN: PIXXD2

L4 ANSWER 44 OF 61 MEDLINE DUPLICATE 19  
AU Roberts M; Bacon A; Rappuoli R; Pizza M; Cropley I; Douce G; Dougan G; Marinaro M; McGhee J; Chatfield S  
TI A mutant pertussis toxin molecule that lacks ADP-ribosyltransferase activity, PT-9K/129G, is an effective mucosal adjuvant for intranasally delivered **proteins**.

SO INFECTION AND IMMUNITY, (1995 Jun) 63 (6) 2100-8.  
Journal code: 0246127. ISSN: 0019-9567.

L4 ANSWER 45 OF 61 CAPLUS COPYRIGHT 2002 ACS  
AU Umland, Timothy Charles  
TI The crystal structures of human and rat Clara cell phospholipid binding  
**proteins** and the preliminary crystallographic analysis of  
botulinum E neurotoxin and **tetanus toxin C-**  
**fragment**  
SO (1994) 239 pp. Avail.: Univ. Microfilms Int., Order No. DA9431554  
From: Diss. Abstr. Int. B 1995, 55(7), 2551

L4 ANSWER 46 OF 61 CAPLUS COPYRIGHT 2002 ACS  
AU Mueller, G. P.  
TI Toxin-mediated transfer and expression of genes in nerve cells  
SO Report (1994), ARO-27890.1-LS; Order No. AD-A290 501, 17 pp. Avail.: NTIS  
From: Gov. Rep. Announce. Index (U. S.) 1995, 95(19), Abstr. No. 19-02,072

L4 ANSWER 47 OF 61 CAPLUS COPYRIGHT 2002 ACS  
IN Khan, Mohammed Anjam; Hormaeche, Carlos Estenio; Villarreal-Ramos,  
Bernardo; Chatfield, Steven Neville; Dougan, Gordon  
TI Expression of genes for antigenic fusion **proteins** in attenuated  
bacteria for vaccines  
SO PCT Int. Appl., 86 pp.  
CODEN: PIXXD2

L4 ANSWER 48 OF 61 MEDLINE DUPLICATE 20  
AU Khan C M; Villarreal-Ramos B; Pierce R J; Demarco de Hormaeche R; McNeill  
H; Ali T; Chatfield S; Capron A; Dougan G; Hormaeche C E  
TI Construction, expression, and immunogenicity of multiple tandem copies of  
the Schistosoma mansoni peptide 115-131 of the P28 glutathione  
S-transferase expressed as C-terminal fusions to **tetanus**  
**toxin fragment C** in a live aro-attenuated vaccine strain  
of Salmonella.  
SO JOURNAL OF IMMUNOLOGY, (1994 Dec 15) 153 (12) 5634-42.  
Journal code: 2985117R. ISSN: 0022-1767.

L4 ANSWER 49 OF 61 CAPLUS COPYRIGHT 2002 ACS  
IN Roberts, Mark; Dougan, Gordon  
TI Tetanus/whooping cough Vaccine compositions for mucosal delivery  
SO PCT Int. Appl., 33 pp.  
CODEN: PIXXD2

L4 ANSWER 50 OF 61 CAPLUS COPYRIGHT 2002 ACS  
AU Lei, Dianliang; Sugimoto, N.; Matsuda, M.  
TI Characterization of single ion channels formed by fragment B of tetanus  
toxin in an artificial lipid bilayer  
SO Shengwu Huaxue Yu Shengwu Wuli Jinzhan (1993), 20(2), 115-19  
CODEN: SHYCD4; ISSN: 1000-3282

L4 ANSWER 51 OF 61 CAPLUS COPYRIGHT 2002 ACS  
IN Charles, Ian George; Chatfield, Steven Neville; Fairweather, Neil Fraser  
TI Attenuated bacteria expressing antigenic **protein** genes and their  
use as vaccines  
SO PCT Int. Appl., 23 pp.  
CODEN: PIXXD2

L4 ANSWER 52 OF 61 CAPLUS COPYRIGHT 2002 ACS  
IN Charles, Ian George; Makoff, Andrew Joseph; Oxe, Marcus Dayman; Peakman,  
Timothy Charles; Cole, Jeffrey Alan  
TI Use of anaerobiosis-induced promoters for manufacture of **proteins**  
with bacteria  
SO PCT Int. Appl., 22 pp.  
CODEN: PIXXD2

L4 ANSWER 53 OF 61 SCISEARCH COPYRIGHT 2002 ISI (R)  
 AU ROSSETTO O; SCHIAVO G; DELAURETO P P; FABBIANI S; MONTECUCCO C (Reprint)  
 TI SURFACE-TOPOGRAPHY OF HISTIDINE-RESIDUES OF TETANUS TOXIN PROBED BY  
 IMMOBILIZED-METAL-ION AFFINITY-CHROMATOGRAPHY  
 SO BIOCHEMICAL JOURNAL, (01 JUL 1992) Vol. 285, Part 1, pp. 9-12.  
 ISSN: 0264-6021.

L4 ANSWER 54 OF 61 MEDLINE DUPLICATE 21  
 AU Fishman P S; Savitt J M; Farrand D A  
 TI Enhanced CNS uptake of systemically administered **proteins**  
 through conjugation with tetanus C-fragment.  
 SO JOURNAL OF THE NEUROLOGICAL SCIENCES, (1990 Sep) 98 (2-3) 311-25.  
 Journal code: 0375403. ISSN: 0022-510X.

L4 ANSWER 55 OF 61 MEDLINE DUPLICATE 22  
 AU Simpson L L; Lake P; Kozaki S  
 TI Isolation and characterization of a novel human monoclonal antibody that  
 neutralizes tetanus toxin.  
 SO JOURNAL OF PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS, (1990 Jul) 254 (1)  
 98-103.  
 Journal code: 0376362. ISSN: 0022-3565.

L4 ANSWER 56 OF 61 MEDLINE DUPLICATE 23  
 AU Fishman P S; Savitt J M  
 TI Transsynaptic transfer of retrogradely transported tetanus **protein**  
 -peroxidase conjugates.  
 SO EXPERIMENTAL NEUROLOGY, (1989 Nov) 106 (2) 197-203.  
 Journal code: 0370712. ISSN: 0014-4886.

L4 ANSWER 57 OF 61 MEDLINE  
 AU Robbins N; Polak J  
 TI Filopodia, lamellipodia and retractions at mouse neuromuscular junctions.  
 SO JOURNAL OF NEUROCYTOLOGY, (1988 Aug) 17 (4) 545-61.  
 Journal code: 0364620. ISSN: 0300-4864.

L4 ANSWER 58 OF 61 MEDLINE DUPLICATE 24  
 AU Bittner M A; Holz R W  
 TI Effects of tetanus toxin on catecholamine release from intact and  
 digitonin-permeabilized chromaffin cells.  
 SO JOURNAL OF NEUROCHEMISTRY, (1988 Aug) 51 (2) 451-6.  
 Journal code: 2985190R. ISSN: 0022-3042.

L4 ANSWER 59 OF 61 CAPLUS COPYRIGHT 2002 ACS  
 IN Fairweather, Neil Fraser  
 TI Recombinant tetanus toxin or tetanus toxin epitope-contg. peptides as  
 vaccines  
 SO Eur. Pat. Appl., 36 pp.  
 CODEN: EPXXDW

L4 ANSWER 60 OF 61 CAPLUS COPYRIGHT 2002 ACS  
 AU Fishman, Paul S.; Carrigan, Donald R.  
 TI Retrograde transneuronal transfer of the C-fragment of tetanus toxin  
 SO Brain Research (1987), 406(1-2), 275-9  
 CODEN: BRREAP; ISSN: 0006-8993

L4 ANSWER 61 OF 61 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
 AU MORRIS N P; CONSIGLIO E; KOHN L D; HABIG W H; HARDEGREE M C; HELTING T B  
 TI INTERACTION OF FRAGMENTS B AND C OF TETANUS TOXIN WITH NEURAL AND THYROID  
 MEMBRANES AND WITH GANGLIOSIDES.  
 SO J BIOL CHEM, (1980) 255 (13), 6071-6076.  
 CODEN: JBCHA3. ISSN: 0021-9258.

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(FILE 'HOME' ENTERED AT 11:23:59 ON 25 NOV 2002)

FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH' ENTERED AT 11:24:12 ON 25 NOV 2002

L1 9325 S TETANUS(3A)TOXIN OR TTC OT TETANUS(W)TOXIN(6A)C(W)FRAGMENT  
L2 188 S TETANUS(3A)TOXIN(6A)(C OR B)(W)FRAGMENT  
L3 119 S L2 AND (PROTEIN OR POLYPEPTIDE)  
L4 61 DUP REM L3 (58 DUPLICATES REMOVED)  
L5 175 S TETANUS(3A)TOXIN(6A)C(W)FRAGMENT  
L6 16 S TETANUS(3A)TOXIN(6A)B(W)FRAGMENT  
L7 3 S L5 AND L6  
L8 1 DUP REM L7 (2 DUPLICATES REMOVED)

=> d bib ab 18

L8 ANSWER 1 OF 1 MEDLINE DUPLICATE 1  
AN 88274387 MEDLINE  
DN 88274387 PubMed ID: 3392539  
TI Effects of tetanus toxin on catecholamine release from intact and  
digitonin-permeabilized chromaffin cells.  
AU Bittner M A; Holz R W  
CS Department of Pharmacology, University of Michigan Medical School, Ann  
Arbor 48109-0626.  
NC R01 DK27959 (NIDDK)  
SO JOURNAL OF NEUROCHEMISTRY, (1988 Aug) 51 (2) 451-6.  
Journal code: 2985190R. ISSN: 0022-3042.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 198808  
ED Entered STN: 19900308  
Last Updated on STN: 19970203  
Entered Medline: 19880824  
AB Tetanus exotoxin inhibited Ca<sup>2+</sup>-dependent catecholamine secretion in a  
dose-dependent manner in digitonin-permeabilized chromaffin cells. The  
inhibition was specific for tetanus exotoxin and the B fragment of  
**tetanus toxin**; the **C fragment** had no  
effect. Inhibition required the introduction of toxin into the cell, and  
was not seen when intact cells were preincubated with the toxin or toxin  
fragments. The degree of inhibition was related to the length of  
preincubation with toxin, as well as the concentration of toxin used. A  
short preincubation with toxin was sufficient to inhibit secretion, and  
the continued presence of toxin in the incubation medium was not required  
during the incubation with Ca<sup>2+</sup>. The inhibition of secretion by  
**tetanus toxin** or the **B fragment** was  
not overcome with increasing Ca<sup>2+</sup> concentrations. Tetanus toxin also  
inhibited catecholamine secretion enhanced by phorbol ester-induced  
activation of protein kinase C. Thus, the toxin or a proteolytic fragment  
of the toxin can enter digitonin-permeabilized cells to interact with a  
component of the Ca<sup>2+</sup>-dependent exocytotic pathway to inhibit secretion.

=> d 37 41-43 bib 14

L4 ANSWER 37 OF 61 CAPLUS COPYRIGHT 2002 ACS  
AN 1996:379677 CAPLUS  
DN 125:41763  
TI Site-specific biomolecular complexes for drug delivery to brain  
IN Katz, Robert; Tomoaia-Cotisel, Maria  
PA Molecular/structural Biotechnologies, Inc., USA  
SO PCT Int. Appl., 62 pp.

CODEN: PIXXD2

DT Patent  
LA English  
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9604001	A1	19960215	WO 1995-US9870	19950804
	W: AU, CA, HU, JP, NO				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	US 5716614	A	19980210	US 1994-286327	19940805
	US 6005004	A	19991221	US 1995-487693	19950607
	AU 9532755	A1	19960304	AU 1995-32755	19950804
	EP 952841	A1	19991103	EP 1995-929378	19950804
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE				
PRAI	US 1994-286327		19940805		
	US 1995-487693		19950607		
	WO 1995-US9870		19950804		

L4 ANSWER 41 OF 61 CAPLUS COPYRIGHT 2002 ACS

AN 1995:890197 CAPLUS

DN 123:278079

TI Use of the promoter of the heat-shock gene htrA for expression of antigen genes in vaccine strains of bacteria

IN Khan, Mohammed Anjam; Chatfield, Steven Neville; Li, Jingli

PA Medeva Holdings B.V., Neth.

SO PCT Int. Appl., 54 pp.

CODEN: PIXXD2

DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9520665	A1	19950803	WO 1995-GB196	19950131
	W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, US				
	RW: KE, MW, SD, SZ, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9515415	A1	19950815	AU 1995-15415	19950131
	AU 701384	B2	19990128		
	EP 742829	A1	19961120	EP 1995-907080	19950131
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	HU 75734	A2	19970528	HU 1996-2084	19950131
	CN 1153531	A	19970702	CN 1995-191920	19950131
	JP 09508276	T2	19970826	JP 1995-519957	19950131
	BR 9506666	A	19970909	BR 1995-6666	19950131
	CZ 285867	B6	19991117	CZ 1996-2182	19950131
	PL 180091	B1	20001229	PL 1995-315670	19950131
	FI 9603016	A	19960925	FI 1996-3016	19960730
PRAI	GB 1994-1795	A	19940131		
	WO 1995-GB196	W	19950131		

L4 ANSWER 42 OF 61 CAPLUS COPYRIGHT 2002 ACS

AN 1995:580843 CAPLUS

DN 122:312950

TI Vaccine compositions containing mutant pertussis toxin

IN Roberts, Mark

PA Medeva Holdings B.V., Neth.

SO PCT Int. Appl., 44 pp.

CODEN: PIXXD2

DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9509649	A1	19950413	WO 1994-GB2152	19941004
	W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, ES, FI, GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LT, LU, LV, MD, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, US, UZ, VN				
	RW: KE, MW, SD, SZ, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9477881	A1	19950501	AU 1994-77881	19941004
	EP 725653	A1	19960814	EP 1994-928455	19941004
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	US 2001018056	A1	20010830	US 2001-775909	20010202
PRAI	GB 1993-20454	A	19931005		
	GB 1993-24743	A	19931202		
	WO 1994-GB2152	W	19941004		
	US 1996-619600	B1	19960401		
	US 1998-179272	B1	19981027		

L4 ANSWER 43 OF 61 CAPLUS COPYRIGHT 2002 ACS

AN 1995:610599 CAPLUS

DN 123:2728

TI Vectors encoding **tetanus toxin C**

**fragment fusion proteins** and vaccines containing the  
**fusion proteins** or attenuated bacteria producing the fusion  
**proteins**

IN Khan, Mohammed Anjam; Hormaeche, Carlos Estenio; Chatfield, Steven  
Neville; Dougan, Gordon

PA Medeva Holdings B.V., Neth.

SO PCT Int. Appl., 44 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9504151	A2	19950209	WO 1994-GB1647	19940729
	WO 9504151	A3	19950316		
	W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, ES, FI, GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LT, LU, LV, MD, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, US, UZ, VN				
	RW: KE, MW, SD, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	WO 9403615	A1	19940217	WO 1993-GB1617	19930730
	W: AT, AU, BB, BG, BR, BY, CA, CH, CZ, DE, DK, ES, FI, GB, HU, JP, KP, KR, KZ, LK, LU, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SK, UA, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9472357	A1	19950228	AU 1994-72357	19940729
	EP 712442	A1	19960522	EP 1994-921762	19940729
	EP 712442	B1	20020327		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	GB 2295394	A1	19960529	GB 1996-1739	19940729
	GB 2295394	B2	19970924		
	JP 09500540	T2	19970121	JP 1994-505668	19940729
	HU 74495	A2	19970128	HU 1996-207	19940729
	AT 215124	E	20020415	AT 1994-921762	19940729
PRAI	WO 1993-GB1617	A	19930730		
	GB 1994-1787	A	19940131		
	GB 1992-16317	A	19920731		
	GB 1993-6398	A	19930326		
	WO 1994-GB1647	W	19940729		

=> d bib 47 51 14

L4 ANSWER 47 OF 61 CAPLUS COPYRIGHT 2002 ACS

AN 1994:291477 CAPLUS

DN 120:291477

TI Expression of genes for antigenic fusion **proteins** in attenuated bacteria for vaccines

IN Khan, Mohammed Anjam; Hormaeche, Carlos Estenio; Villarreal-Ramos, Bernardo; Chatfield, Steven Neville; Dougan, Gordon

PA Medeva Holdings B.V., Neth.

SO PCT Int. Appl., 86 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9403615	A1	19940217	WO 1993-GB1617	19930730
	W: AT, AU, BB, BG, BR, BY, CA, CH, CZ, DE, DK, ES, FI, GB, HU, JP, KP, KR, KZ, LK, LU, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SK, UA, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	EP 652962	A1	19950517	EP 1993-917957	19930730
	EP 652962	B1	19981216		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	JP 08503602	T2	19960423	JP 1993-505102	19930730
	EP 863211	A1	19980909	EP 1998-104783	19930730
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE				
	AT 174628	E	19990115	AT 1993-917957	19930730
	ES 2127829	T3	19990501	ES 1993-917957	19930730
	CA 2168459	AA	19950209	CA 1994-2168459	19940729
	WO 9504151	A2	19950209	WO 1994-GB1647	19940729
	WO 9504151	A3	19950316		
	W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, ES, FI, GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LT, LU, LV, MD, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, US, UZ, VN				
	RW: KE, MW, SD, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9472357	A1	19950228	AU 1994-72357	19940729
	EP 712442	A1	19960522	EP 1994-921762	19940729
	EP 712442	B1	20020327		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	JP 09500540	T2	19970121	JP 1994-505668	19940729
	AT 215124	E	20020415	AT 1994-921762	19940729
	FI 9500396	A	19950130	FI 1995-396	19950130
	NO 9500348	A	19950328	NO 1995-348	19950130
PRAI	GB 1992-16317	A	19920731		
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TI Attenuated bacteria expressing antigenic **protein** genes and their use as vaccines

IN Charles, Ian George; Chatfield, Steven Neville; Fairweather, Neil Fraser

PA Wellcome Foundation Ltd., UK

SO PCT Int. Appl., 23 pp.



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